

*Section*  
ATTN: BOX MISSING PARTS  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**#6/I.D.S**

Q57519

In re Application of

Satoshi SHINADA, Fujio AKAHANE, Minoru USUI, Takao KOBAYASHI and Makoto MATSUZAKI **7-17-00**

Appn. No.: 09/484,458

Filed: January 18, 2000

For: INK-JET PRINTING APPARATUS AND INK CARTRIDGE THEREFOR

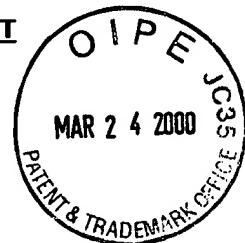
**INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 CFR §§ 1.97 and 1.98**

**ATTN: BOX MISSING PARTS**

Assistant Commissioner for Patents

Washington, D.C. 20231



Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

One copy of each of the listed documents are submitted herewith.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 CFR §1.98(a)(3) for foreign language documents, Applicants submit the following explanations:

Post Examined Japanese Patent Publication 2594912 is disclosed on page 2 of the specification as filed.

Unexamined Japanese Patent Publication (OPI) Hei.6-155758 discloses a cartridge detection member and recognizes ink characteristics identifying information applied on an ink cartridge and outputs a signal corresponding to the ink characteristics, thereby to generate a head drive signal corresponding to the ink identifying information, so that a head drive condition for the same printhead is selected which corresponds to the ink characteristics.

Unexamined Japanese Patent Publication (OPI) Hei.6-126981 discloses a cartridge 2 for accommodating recording material is provided with a non-volatile memory 4. The recording material accommodated in the cartridge 2 is supplied to a recording head (not shown) through a supply pipe (not shown). The non-volatile memory 4 connects to a control board 1 on the recording apparatus main body by a plurality of signal lines through a control section 3 of the cartridge side. Accordingly, the type of the cartridge 2 or desired information such as residual amount of recording material or the like can be written on the cartridge 2, and information written on the cartridge 2 can be read out to the recording apparatus main body.

Unexamined Japanese Patent Publication (OPI) Hei.8-132635 discloses an ink cartridge and is provided with an ink chamber 12, a foam chamber 11 for housing a porous member 20 for absorbing ink, an ink supply port 13 for supplying ink to a recording head through the porous member 20, and a funnel-like packing member 30 disposed within the ink supply port which opens upwardly.

Unexamined Japanese Patent Publication (OPI) Hei.3-67657 discloses an ink cartridge and is replaceably mounted on an ink jet recording apparatus having a recording head for recording images by actuating ink injection. The ink cartridge houses ink therein and supplies ink in accordance with the ejection of ink. The ink cartridge is provided with a medium having information for controlling drive condition of the recording head.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

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